#2

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/008,789

DATE: 12/18/2001 TIME: 16:17:53

Input Set : A:\RTS-0333 Sequence Listing.txt
Output Set: N:\CRF3\12182001\J008789.raw

## **ENTERED**

															اسا	
6	<110>	APPLI	CANT	: C.	Fra	nk B	enne	tt								
7		Kenne	th D	obie												
9	<120>	TITLE	OF	INVE	NTIO	N: A	NTIS	ENSE	MOD	ULAT	ION (	OF T	HYRO:	ID H	ORMONE	RECEPTOR INTERACTOR
6 EXPRES	SSION															
11	<130>	FILE	REFE	RENC	E: R'	rs-0	333									
C> 13	<140>	CURRE	NT A	PPLI	CATI	N NC	UMBE	R: U	S/10	/008	,789					
C> 13									-	•	•					
13	<160>	NUMBE	R OF	SEO	ID	NOS:	89									
	<210>															
	<211>															
	<212>			•												
	<213>			Art	ific	ial	Seau	ence								
	<220>						J044	000								
	<223>			יבאאר	TTON	· An	tise	nse	Olia	onuc	leot	ide			•	
	<400>				1 1 0 11				<u> </u>	onac	1000					
	tccgt				τα											20
	<210>	_		_	99											20
	<211>															
	<211>			J												
	<213>			7 m+	ifia	ial	Coan	onao								
	<220>			AIL.	IIIC.	Laı	sequ	ence								
				ADMA!	TTON	. 3-	+100	200	014~	00114	100+	440				
	<223>				LTON	: All	cise	nse	OTIG	onuc	reot.	rae				
	<400>															20
	atgcat	-			ga											20
	<210>															_
	<211>			/55												
	<212>															
	<213>			Home	o sag	pien	S									
	<220>															
	<220>															
	<221>	-			_											
	<222>				0)	. (15	90)									
	<400>															
															agtttt	60
															gctcgg	120
	ggcttc	caaga (	ccgct	tgtc	tg ga	igtc	cccc.	t tt	ccag	-	_	_				174
59										1		Ser (	Gly E	Pro		
60											1				5	
62	tgg ct	g ccc	ccg	aag	cag	ccg	gag	CCC	gcc	aga	gcc	cct	cag	ggg	agg	222
63	Trp Le	eu Pro	Pro	Lys	Gln	Pro	Glu	Pro	Ala	Arg	Ala	Pro	Gln	Gly	Arg ·	
64				10					15					20		
66	gcg at	c ccc	cgc	ggc	acc	ccg	ggg	cca	cca	ccg	gcc	cac	gga	gca	gca	270 ·
67	Ala Il	le Pro	Arg	Gly	Thr	Pro	Gly	Pro	Pro	Pro	Ala	His	Gly	Ala	Ala	
68			25					30					35			
70	ctc ca	g ccc	cac	ccc	agg	gtc	aat	ttt	tgc	ccc	ctt	cca	tct	gag	cag	318.
71	Leu Gl	n Pro	His	Pro	Arg	Val	Asn	Phe	Cys	Pro	Leu	Pro	Ser	Glu	Gln	
72		40					45					50				
74	tgt ta	ic cag	gcc	cca	ggg	gga	ccg	gag	gat	cgg	ggg	ccg	gcg	tgg	gtg	366

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75 76	Cys	Tyr 55	Gln	Ala	Pro	Gly	Gly 60	Pro	Glu	Asp	Arg	Gly 65	Pro	Ala	Trp	Val	
78	qqq	tcc	cat	gga	gta	ctc	cag	cac	acg	cag	ggg	ctc	cct	gca	gac	agg	414
79	Gly	Ser	His	Gly	Val	Leu	Gln	His	Thr	Gln	Gly	Leu	Pro	Ala	Asp	Arg	
80	70			-		75					80					85	
82	qqq	qqc	ctt	cqc	cct	qqa	aqc	ctq	qac	qcc	gag	ata	gac	ttg	ctg	agc	462
													Ásp				
84	_	-		-	90	-			-	95			•		100		
	acc	acq	ctq	acc	aaa	cta	aat	qqq	qqt	caa	qqt	cat	gcg	tca	cqq	cqa	510
													Ala				
88				105	-4 -			_	110	,	•			115	-	_	
90	cca	gac	cqa	cag	qca	tat	gag	ccc	ccq	cca	cct	cct	gcc	tac	cqc	acq	558
		-	_	_	_				-				Ála		_		
92		_	120			*		125					130	•	_		
	aac	tcc	cta	aaq	cca	aat	cca	qcc	tcq	CCq	ctc	cca	gcg	tct	ccc	tat	606
			_	_				_	_	_			Ala				
96	-	135		•			140					145				-	
98	qqq	qqc	ccc	act	cca	qcc	tct	tac	act	acc	qcc	agc	acc	ccq	gct	qqc	654
													Thr				
	150	_				155		•			160					165	
102	cca	qcc	tto	ccc	: qtq	caa	gto	aaq	qtq	g qca	caq	сса	gtg	agg	ggc	tgc	702
		_						_		-	-					Cys	
104					170			•		175					180		
106	qqc	cca	ccc	ago	cqq	gga	qcc	tct	caq	gct	tct	. ववव	ccc	cto	ccc	ggc	750
																Gly	
108	=			185	_	-			190			_		195		-	
110	ccc	cac	ttt	cct	cto	cca	ggc	: cga	ggt	gaa	gto	: tgg	ggg	cct	ggc	tat	798
																Tyr	
112			200	)			_	205	;				210			_	
114	agg	aqc	caq	, aga	qaq	cca	qqq	r cca	ggg	geo	: aaa	gaq	gaa	gct	gct	ggg	846
																Gly	
116	_	215		_			220		-		-	225				_	
118	gto	tct	ggc	cct	gca	qqa	aga	ı qqa	aga	gga	ggc	gag	cac	ggg	ccc	cag	894
																Gln	
	230		-			235	_	_	_	_	240					245	
122	gtg	ccc	ctg	ago	cag	cct	cca	gag	gat	gag	ctg	gat	agg	ctg	acg	aag	942
123	Val	Pro	Leu	Ser	Gln	Pro	Pro	Glu	Asp	Glu	Leu	Āsp	Arg	Leu	Thr	Lys	
124					250				_	255	i	_	_		260	)	
126	aag	ctg	gtt	cac	gac	atg	aac	cac	ccg	ccc	ago	ggg	gag	tac	ttt	ggc	990
127	Lys	Leu	Val	His	Asp	Met	Asn	His	Pro	Pro	Ser	Gly	Glu	Tyr	Phe	Gly	
128				265					270	l				275			
130	cag	tgt	ggt	ggc	tgc	gga	gaa	gat	gtg	gtt	ggg	gat	ggg	gct	ggg	gtt	1038
																v Val	
132			280	)				285	;				290				
134	gtg	gcc	ctt	gat	. cgc	gtc	ttt	cac	gtg	ggc	tgc	ttt	gta	tgt	tct	aca	1086
																Thr	
136		295					300	1				305					
138	tgc	cgg	gcc	cag	ctt	cgc	ggc	cag	cat	tto	tac	gcc	gtg	gag	agg	agg	1134
139	Cys	Arg	Ala	Gln	Leu	Arg	Gly	Gln	His	Phe	Tyr	Ala	Val	Glu	Arg	Arg	

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	310					315					320					325	
								gtg									1182
143	Ala	Tyr	Cys	Glu	_	Cys	Tyr	Val	Ala		Leu	Glu	Lys	Cys		Thr	
144					330					335					340		
								cgg									1230
	Cys	Ser	Gln		Ile	Leu	Asp	Arg		Leu	Arg	Ala	Met	-	Lys	Ala	
148				345					350					355			
								tgc									1278
	Tyr	His		Gly	Cys	Phe	Thr	Cys	Val	Val	Cys	His	_	Gly	Leu	Asp	
152			360					365					370				
								gct									1326
	Gly		Pro	Phe	Thr	Val	_	Ala	Thr	Ser	Gln		His	Cys	Ile	Glu	
156		375					380					385					
	_				_		-	cca	-	_			_			_	1374
	_	Phe	His	Arg	Lys		Ala	Pro	Arg	Cys		Val	Cys	Gly	Gly		
	390					395					400					405	
								gag									1422
163	Ile	Met	Pro	Glu	Pro	Gly	Gln	Glu	Glu	Thr	Val	Arg	Ile	Val	Ala	Leu	
164					410					415					420		
								tgt									1470
167	Asp	Arg	Ser	Phe	His	Ile	Gly	Cys	Tyr	Lys	Cys	Glu	Glu	Cys	Gly	Leu	
168				425					430					435			
	_							tgt	_		-		_	_	_		1518
	Leu	Leu	Ser	Ser	Glu	Gly	Glu	Cys	Gln	Gly	Cys	Tyr	Pro	Leu	Asp	Gly	
172			440					445					450				
								agc									1566
	His		Leu	Cys	Lys	Ala	_	Ser	Ala	$\mathtt{Trp}$	Arg			Glu	Leu	Ser	
176		455					460					465		<b>'</b> .			
								tga	gtct	tcct	ag a	agta	iccto	je to	gggtt	ctca	1620
			Val	Thr	Thr	_	Cys										
180		1,000				475											
	-	_				_	-			_			_		_	ttgtc	1680
		_				it to	eteca	aatca	a aga	aata	ata	atco	ctc	gag t	ittac	caaaaa	1740
			aaa a														1755
			EQ II														
			ENGTE		)												
			PE:					_									
					Arti	LIICI	al S	Seque	ence								
	-		CATUF														
						TON:	PCF	R Pri	ımer								
			EQUEN														3.0
			iga a			. C											20
			EQ II														
			ENGTE		_												
			PE:		X + -	£:~:	al 6	10000									
			CANI		ALT]	TITC	ат 5	Seque	ance								
					ייצאסו	TON.	DCI	≀ Pri	mer								
			COUEN			TON	PCF	, LII	CI								
211	/400	JE	יום ייביי	· Li	,												

Input Set : A:\RTS-0333 Sequence Listing.txt
Output Set: N:\CRF3\12182001\J008789.raw

	212	geceg	gcatg tagaacatac a	21
			SEQ ID NO: 6	
			LENGTH: 23	
	217	<212>	TYPE: DNA	
	218	<213>	ORGANISM: Artificial Sequence	
			FEATURE:	
			OTHER INFORMATION: PCR Probe	
	224	<400>	SEQUENCE: 6	
	225	ttgat	cgcgt ctttcacgtg ggc	23
	228	<210>	SEQ ID NO: 7	
	229	<211>	LENGTH: 19	
	230	<212>	TYPE: DNA	
	231	<213>	ORGANISM: Artificial Sequence	
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	235	<223>	OTHER INFORMATION: PCR Primer	
	237	<400>	SEQUENCE: 7	
			tgaag gtcggagtc	19
	241	<210>	SEQ ID NO: 8	
	242	<211>	LENGTH: 20	
•			TYPE: DNA	
	244	<213>	ORGANISM: Artificial Sequence	
			FEATURE:	
			OTHER INFORMATION: PCR Primer	
			SEQUENCE: 8	
			tggtg atgggatttc	20
			SEQ ID NO: 9	
			LENGTH: 20	
			TYPE: DNA	
			ORGANISM: Artificial Sequence	
			FEATURE:	
			OTHER INFORMATION: PCR Probe	
			SEQUENCE: 9	
		-	ttccc gttctcagcc	20
			SEQ ID NO: 10	
			LENGTH: 7001	
			TYPE: DNA	
			ORGANISM: Homo sapiens	
			FEATURE:	
			NAME/KEY: exon	
			LOCATION: (486)(740)	
F.T .			OTHER INFORMATION: exon 1	
W>			NAME/KEY: exon:intron junction	
			LOCATION: (740)(741)	•
			OTHER INFORMATION: exon 1:intron 1 * NAME/KEY: intron	
			LOCATION: (741)(994)	
			OTHER INFORMATION: intron 1	
W>			NAME/KEY: intron:exon junction	
			LOCATION: (994)(995)	
	207	-666/	MOGILLOII. (JJ4)(JJJ)	

Input Set: A:\RTS-0333 Sequence Listing.txt
Output Set: N:\CRF3\12182001\J008789.raw

290 <221> NAME/KEY: exon 291 <222> LOCATION: (995)...(1122) 292 <223> OTHER INFORMATION: exon 2 W--> 294 <221> NAME/KEY: exon:intron junction 295 <222> LOCATION: (1122)...(1123) 296 <223> OTHER INFORMATION: exon 2:intron 2 298 <221> NAME/KEY: intron 299 <222> LOCATION: (1123)...(1241) 300 <223> OTHER INFORMATION: intron 2 W--> 302 <221> NAME/KEY: intron:exon junction 303 <222> LOCATION: (1241)...(1242) 304 <223> OTHER INFORMATION: intron 2:exon 3 306 <221> NAME/KEY: exon 307 <222> LOCATION: (1242)...(1367) 308 <223> OTHER INFORMATION: exon 3 W--> 310 <221> NAME/KEY: exon:intron junction 311 <222> LOCATION: (1367)...(1368) 312 <223> OTHER INFORMATION: exon 3:intron 3 314 <221> NAME/KEY: intron 315 <222> LOCATION: (1368)...(1628) 316 <223> OTHER INFORMATION: intron 3 W--> 318 <221> NAME/KEY: intron:exon junction 319 <222> LOCATION: (1628)...(1629) 320 <223> OTHER INFORMATION: intron 3:exon 4 322 <221> NAME/KEY: exon 323 <222> LOCATION: (1629)...(2000) 324 <223> OTHER INFORMATION: exon 4 W--> 326 <221> NAME/KEY: exon:intron junction 327 <222> LOCATION: (2000)...(2001) 328 <223> OTHER INFORMATION: exon 4:intron 4 330 <221> NAME/KEY: intron 331 <222> LOCATION: (2001)...(3503) 332 <223> OTHER INFORMATION: intron 4 W--> 334 <221> NAME/KEY: intron:exon junction 335 <222> LOCATION: (3503)...(3504) 336 <223> OTHER INFORMATION: intron 4:exon 5 338 <221> NAME/KEY: exon 339 <222> LOCATION: (3504)...(3597) 340 <223> OTHER INFORMATION: exon 5 W--> 342 <221> NAME/KEY: exon:intron junction 343 <222> LOCATION: (3597)...(3598) 344 <223> OTHER INFORMATION: exon 5:intron 5 346 <221> NAME/KEY: intron 347 <222> LOCATION: (3598)...(3707) 348 <223> OTHER INFORMATION: intron 5 W--> 350 <221> NAME/KEY: intron:exon junction 351 <222> LOCATION: (3707)...(3708) 352 <223> OTHER INFORMATION: intron 5:exon 6

288 <223> OTHER INFORMATION: intron 1:exon 2



VERIFICATION SUMMARY DATE: 12/18/2001 PATENT APPLICATION: US/10/008,789 TIME: 16:17:54

Input Set : A:\RTS-0333 Sequence Listing.txt
Output Set: N:\CRF3\12182001\J008789.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:278 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:286 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:294 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:302 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:310 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:318 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:326 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:334 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:342 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:350 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:358 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:366 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:374 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:382 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:390 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:398 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:649 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11